

Patent
10/029,805

IN THE CLAIMS:

Please cancel Claim 17 without prejudice and without disclaimer of subject matter.

Please amend Claims 1 and 12 as follows:

1. (Currently Amended) A navigation system for detecting a current position of a user in a building, the navigation system comprising:

at least one light source including a driver and an encoder, the driver and the encoder coupled to the light source so that the light source produces a modulated light signal in accordance with a predetermined signature, wherein said light source is stationary;

a receiver, the receiver held by the user when in use, including a photosensitive detector capable of detecting the modulated light signal produced by said stationary light source and a decoder capable of decoding the predetermined signature said receiver further comprising:

a memory;

a controller communicatively coupled to the receiver and the memory; and
an output device coupled to the controller,

wherein the controller is arranged to receive the decoded predetermined signature, and based upon the decoded predetermined signature, retrieve information as to the location of said at least one light source in a digital map of the building, thereby detecting a current position of the user, and to obtain at least one navigation instruction stored in the memory, and output the navigation instruction to the user using the output device.

2. (Original) The navigation system according to Claim 1, wherein the predetermined signature comprises a unique binary code.

3. (Canceled)

Patent
10/029,805

4. (Original) The navigation system according to Claim 1, wherein the output device comprises an audio device or an image device.
5. (Canceled)
6. (Canceled)
7. (Original) The navigation system according to Claim 1, wherein the memory is accessed by the controller via a communication network.
8. (Original) The navigation system according to Claim 1, further comprising an input device.
9. (Original) The navigation system according to Claim 8, wherein the modulated light signal is provided when a predetermined input is received by the input device.
10. (Original) The navigation system according to Claim 8, wherein the predetermined signature is programmable using the input device.
11. (Original) The navigation system according to Claim 8, wherein the input device comprises a keyboard, push buttons, a touch pad, a mouse or a voice recognition unit.

Patent
10/029,805

12. (Currently Amended) A receiver to be used within a navigation system for detecting a current position of a user in a building, the receiver held by the user when in use, and comprising:

a photosensitive detector capable of detecting a modulated light signal;
a decoder capable of decoding a predetermined ~~code~~ signature from the modulated light signal;

a memory;

a controller communicatively coupled to the receiver and the memory; and

an output device coupled to the controller,

wherein the controller is arranged to receive the decoded predetermined signature, and based upon the decoded predetermined signature, retrieve information as to the location of at least one light source in a digital map of the building, thereby detecting a current position of the user, and to obtain at least one navigation instruction stored in the memory, and output the navigation instruction to the user using the output device.

13. (Canceled)

14. (Original) The receiver according to Claim 12, wherein the memory is accessed by the controller via a communication network.

15. (Original) The receiver according to Claim 12, further comprising an input device.

16. (Canceled)

17. (Canceled)